# PE Rabbit anti-Human IL9 mAb

Catalog No.: A26386



## **Basic Information**

#### **Observed MW**

Calculated MW 16kDa

Category

Primary antibody

**Applications** 

FC (intra)

**Cross-Reactivity** 

Human

CloneNo number

ARC62039-PE

Conjugate

PE. Ex:565nm. Em:574nm.

# **Background**

The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness.

# **Recommended Dilutions**

FC (intra)

5 μl per 10^6 cells in 100 μl volume

# **Immunogen Information**

Gene ID 3578 **Swiss Prot** 

P15248

#### **Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 19-144 of human IL9 (NP\_000581.1).

## **Synonyms**

P40; HP40; IL-9

# **Contact**

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## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### **Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

# **Validation Data**









Flow cytometry:  $1\times10^6$  293T cells (negative control,left) and 293T (Transfection,right) cells were intracellularly-stained with PE Rabbit anti-Human IL9 mAb (A26386,5  $\mu$ l/Test,orange line) or PE Rabbit IgG isotype control (A24172,5  $\mu$ l/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1X10^6$  293T (Transfection) cells were intracellularly-stained with PE Rabbit IgG isotype control (A24172,5  $\mu$ )/Test,left) or PE Rabbit anti-Human IL9 mAb (A26386,5  $\mu$ )/Test,right).